

***This is only a **preview** of the exam task statements for the Training & Experience Examination. You will be asked to respond to each task statement indicating how your training and experience relate to each. To take the actual exam, please refer back to the bulletin and click the “Click here to go to the Internet exam” link at the bottom of the bulletin.

Training and Experience Evaluation Preview Research Scientist 3

The California civil service selection system is merit-based and eligibility for appointment is established through a formal examination process. This examination consists of a Training and Experience evaluation used to evaluate your education and experience relevant to the position.

This Training and Experience evaluation is a scored component accounting for 100% of your rating in the examination process. It is important to complete the questionnaire carefully and accurately. Your responses are subject to verification before appointment to a position.

To answer all the test items (task statements) in this exam, you will be required to choose from among the provided answers, and to enter (type in) specific information about your experience. Work and education references will also be requested.

Be prepared to give specific information about the length and breadth of your work experience. Also, be prepared to provide specific information about where you received your experience.

Verification of References

Before a hiring decision will be made, your responses will be verified. A hiring manager or personnel staff member will contact the references you have provided to confirm job dates, experiences, duties, achievements, and/or possession of knowledge, skills, and abilities. Failure to provide adequate references AND contact information may significantly limit our ability to make a job offer.

Instructions

Rate your experience performing specific job-related tasks.

Respond to each of the following statements by indicating how the statement applies to you. You are required to respond to every question and provide relevant examples. Also, indicate the references who can verify the information provided.

In responding to each statement, you may refer to your EDUCATION or WORK EXPERIENCE, whether paid or volunteer work that you have completed.

PLEASE NOTE: This examination is designed to gain an overall assessment of your education and experience as it directly relates to the duties and the knowledge, skills and abilities required for this position. Possession of specific education is **not** required to be successful in this examination; however, such achievements may substitute for desirable levels of experience. All components of this examination have been carefully validated by tying them directly to job requirements and documenting their relevance to the position.

Tasks for Research Scientist 3

1. Plan and organize scientific research studies of a highly developed scientific scope and complexity.
2. Direct scientific research studies of a highly developed scientific scope and complexity.
3. Serve as a team member on health projects and investigations on a specific phase of a more complex scientific research study.
4. Serve as a scientific advisor to other lower-level scientists conducting studies in their specific scientific field of expertise.
5. Solve problems using standard principles, procedures, and techniques for their scientific area of expertise.
6. Make independent, complex decisions in a specific scientific field.
7. Collect scientific data in support of health research.
8. Interpret scientific data in support of health research.
9. Adapt methods, techniques, and procedures to carry out assignments.
10. Conduct highly specialized phases of a major scientific project or investigation of sufficient scope to require coordination with professional staff from other State, local, or Federal agencies.
11. Publish research in scientific journals.
12. Evaluate project status, provide feedback and help make decisions on the progress of projects.
13. Apply Quality Assurance and Quality Control procedures.
14. Apply principles and procedures of scientific research planning, design, methodology and analysis.

15. Use methods of preparation of scientific research reports.
16. Use scientific statistical methods and procedures.
17. Apply data management and processing techniques.
18. Use bibliographic survey or previous related scientific research techniques.
19. Determine, qualify, and compile variables of scientific data.
20. Use current scientific research literature and trends applicable to the scientific research area.
21. Use current scientific statistical methods and procedures, including both qualitative and quantitative.
22. Apply data privacy, data visualization and security principles.
23. Communicate effectively, both verbally and in writing, to peer, management, and lay audiences.
24. Prepare or assist in preparation of scientific articles for publication.
25. Prepare and draft detailed scientific reports for publication.
26. Apply professional scientific knowledge and administrative ability to resolve a variety of situations.
27. Provide information to higher-level scientists in support of decisions on scientific research.
28. Interpret scientific findings and present to higher-level scientists, program staff, officials and the public.
29. Apply established guidelines and scientific techniques.
30. Evaluate the adequacy of proposed scientific research designs and techniques.
31. Serve as a team leader on small scientific projects.
32. Serve as a team member of health research or scientific investigation projects.
33. Make scientific decisions within the scope and constraints of projects.
34. Develop and modify scientific methods for specific analysis and research.
35. Validate scientific methods for specific analysis and research.
36. Meet project objectives in a timely manner.
37. Determine and perform appropriate data analysis.
38. Apply security and privacy policies when using confidential and sensitive data.
39. Present scientific research or investigations conducted to health experts and the community.